

POLYSTONE® PPs black EL

Polypropylene Homopolymer

Röchling Engineering Plastics SE & Co. KG

Message:

Product characteristics

Flame retardant

Antistatic

Electrical conductive

Typical field of application

Ventilation and ventilation system construction

Electrical and electronic industries

Pump engineering

General Information			
Features	Antistatic		
	Electrically Conductive		
	Flame Retardant		
Uses	Electrical/Electronic Applications		
	Pump Parts		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.10	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	68		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2
Tensile Stress (Yield)	16.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 15	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature			
-- 1	-15.0 to 100	°C	
-- 2	< 150	°C	
Melting Temperature	162 to 167	°C	ISO 11357-3
CLTE - Flow	1.2E-4 to 1.9E-4	cm/cm/°C	DIN 53752
Specific Heat	1700	J/kg/°C	DIN 52612
Thermal Conductivity	0.22	W/m/K	DIN 52612
Heat Deflection Temperature - Vicat B	81	°C	ISO 306

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	IEC 60093
Volume Resistivity	< 1.0E+4	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
3.00 mm	V-2		
6.00 mm	V-2		
NOTE			
1.	Long Term		
2.	Short Term		

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